

**Name:** G.NAGA CHANDRIKA

**Designation:** Assistant Professor

**Department:** Information Technology

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**Experience (in years):**Teaching: 13.3    Research: 8    Others (If any, Specify): 2.6(industry)

**AICTE Id:** 1-705294352

**Date of Birth:** 03.01.1980



## 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Specialization
1	Ph.D	Computer Science and Engineering
2	M.Tech	Software Engineering
3	B.Tech	CSIT

## 2. Teaching and Learning:

**2.1 Teaching Interests:** Computer Programming, Data Structures, Software Testing, Unix & Shell Programming, Object Oriented Programming Through JAVA, Object Oriented Programming through C++, DBMS, Operating Systems, Computer Organization, Advanced Data Structures, Semantic Web and Social Networks, Java Programming.

**2.2 Novel Teaching & Learning Techniques adopted:** LBD, WIT & WIL, PPT's, Online Teaching

**2.3 Involvement in curriculum updating / Design:** Syllabus framing for Computer Programming, Data Structures, JAVA Programming, Semantic Web and Social Networks.

## 3. Co-curricular and Extra-Curricular Activities

**3.1. Interests and Hobbies:** Reading Books, Solving puzzles

### 3.2. CCA/ECA Organized:

- Coordinated in conducting Software Hackathon on 26<sup>th</sup> & 27<sup>th</sup> September 2019
- Coordinated Machine Learning Training program from July 2019 to October 2019
- As a faculty coordinator, organized some of the events during Convergence-2k17
- As a faculty coordinator, organized some of the events during Convergence-2k15
- As a faculty coordinator, organized some of the events during Convergence-2k13
- As a faculty coordinator, organized some of the events during Convergence-2k12
- Organized a Techno-fest at JEC.

### 3.3. CCA/ECA participated:

- Attended a seminar on Unfolding VJ on 12<sup>th</sup> October 2021 at VNRVJIET
- Attended a seminar on Importance of Introducing Ancient wisdom & Happiness into Curriculum on 16<sup>th</sup> and 17<sup>th</sup> July 2021 at VNRVJIET
- Completed Training Session on Training / Mentoring Session on 7<sup>th</sup> July 2021 at VNR VJIET
- Completed course on Data Visualization using Tableau from great Learning Academy on August 2020
- Completed course on Python for Machine Learning from great Learning Academy on July 2020

- Completed course on Data visualization using Python from great Learning Academy on July 2020
- Attended One week workshop on Effective Online Teaching using ICT Tools from 29<sup>th</sup> June to 4<sup>th</sup> July 2020 by CSI, VNRVJIET
- Completed course on Using Python to Access Web from Courseera on July 2020
- Completed course on Python for Data science and AI from Courseera on July 2020
- Completed course on Retrieving, Processing and Visualizing Data with Python from Courseera on July 2020
- Attended 4 day FDP on Effective Utilization of Digital Platforms for Content Development and Delivery from 13<sup>th</sup> July to 15<sup>th</sup> July 2020 and 20<sup>th</sup> July 2020 by ETMantra elearning Solutions Pvt. Ltd.
- Attended 3 day workshop on ICT Tools and Techniques for Teaching Learning Process from 16<sup>th</sup> July to 18<sup>th</sup> July 2020 by IT dept, VNRVJIET
- Attended international webinar on Professional Development of Women Engineers in post Covid era on July 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup> 2020 by MBITS
- Completed course on Python for Data Structures from Courseera on June 2020
- Completed course on Programming for Everybody from Courseera on June 2020
- Attended Leadership talk with Mr.Aswini Deshpande on 6<sup>th</sup> June 2020 by MHRD's Innovation Cell
- Attended a Motivational lecture on 2<sup>nd</sup> February 2020 by Dr.Kode Sandya, Director, VNRVJIET
- Attended a webinar on Latex-tool on 21<sup>st</sup> May 2020 by IEEE, Hyderabad chapter
- Attended a webinar on Video Conference tool on 5<sup>th</sup> May 2020 by Swecha Organization
- Attended a webinar on Virtual Labs & their Importance on 4<sup>th</sup> May 2020 by IEEE, Hyderabad chapter
- Attended a training program on Mathematics for Machine Learning from 13<sup>th</sup> February 2020 to 13<sup>th</sup> March 2020 at VNRVJIET
- Attended an interactive session on Revisiting Old Horizons and Defining Road ahead with President Dr.D.N.Rao in the month of October 2019
- Attended a seminar on Summer learning Experiences on 28<sup>th</sup> June 2019 at VNR VJIET
- Attended a seminar on The Art of Teaching and Administrating the Students by Dr.Yandamuri Veerendranath on 13<sup>th</sup> December 2017
- Attended a seminar on Academic Integrity in Engineering Education at VNRVJIET on 3<sup>rd</sup> July 2017
- Participated in Anti Drug Campaign on 22<sup>nd</sup> July 2017
- Visited TCS, Hyderabad along with 2 IT students on 11<sup>th</sup> august 2017
- Industry visit to Dark Horse Technologies, Madhapur
- Attended one day seminar on research Publications & documentation on 4<sup>th</sup> May 2013 at VNRVJIET
- Attended POGIL workshop at VNRVJIET
- Attended 2 days training program on microteaching at VNRVJIET

**3.4 Counseling and Mentoring Activity:** Mentor and counselor for 20 UG students of II year

**3.5. Committees involved in:**

**Department level:** NAAC Coordinator, Class Review Committee, In charge for daily report, In charge for Web Technologies Lab, In charge for Monthly report.

**Institute Level:** NBA Coordinator, Virtual Lab Team member, Department Newsletter

#### **4. Conference / Workshop / Seminar / Guest Lectures:**

##### **4.1 Conducted:**

- Organized a Seminar on Introduction to free software and importance of data privacy on 16<sup>th</sup> July 2019 for 2<sup>nd</sup> year IT students
- Organized a seminar on Know your CS on 19<sup>th</sup> July 2018 for 2<sup>nd</sup> year IT students
- Organized a seminar on Coding Contest and their importance on 21<sup>st</sup> July 2018 for 2<sup>nd</sup> year IT students
- Organized a Guest lecture on “Understanding Landscape of Data Analytics” on 28<sup>th</sup> December 2016 for 3<sup>rd</sup> year IT Students
- Organized a guest lecture on “Inner engineering technique – Personality Development through Refinement” on 22<sup>nd</sup> October 2016 for 3<sup>rd</sup> year IT & CSE students
- Conducted one day seminar on Professional Ethics on 9<sup>th</sup> November 2015 at VNRVJIET
- Organized an event "Open source Software" on 10<sup>th</sup> September 2015 for 1<sup>st</sup> year students of IT department.
- Organized an event “Keyword in information technology” on 17<sup>th</sup> April 2014 for 1<sup>st</sup> year students of IT Department.
- Conducted short term training program on seven /Habits of Highly effective People on 11<sup>th</sup> April 2014 at VNRVJIET
- Organized a Guest Lecture on “Seven habits of highly effective people” on 11<sup>th</sup> April 2014 for 1<sup>st</sup> year B.Tech students of IT Department.
- Tutorial Sessions are organized during INDAS at VNRVJIET on 25<sup>th</sup> February 2014.
- Organized a Guest Lecture on GAP on 11<sup>th</sup> October 2013 for 1<sup>st</sup> year B.Tech students of IT & CSE Departments.
- As a faculty coordinator of VGLUG (VNR GNU Linux Users Group) student chapter organized various events and workshops during CONVERGENCE.

##### **4.2 Attended:**

- Attended workshop on Examination reforms from 3<sup>rd</sup> January 2022 to 5<sup>th</sup> January 2022
- Attended ATAL FDP on Exploring Machine Learning and Deep Learning Algorithms for Natural Language Processing (NLP) Applications from 22<sup>nd</sup> November 2021 to 26<sup>th</sup> November 2021 at VNRVJIET
- Attended ATAL FDP on Machine Learning Applications from 2<sup>nd</sup> September 2021 to 4<sup>th</sup> September 2021 at VNRVJIET
- Attended ATAL FDP on Introductory Data Science and Deep Learning from 16<sup>th</sup> July 2021 to 20<sup>th</sup> July 2021
- Attended ATAL FDP on Machine Learning from 18<sup>th</sup> January 2021 to 22<sup>nd</sup> January 2021 by IIIT, Dharwad
- Attended ATAL FDP on Data Science from 14<sup>th</sup> December 2020 to 18<sup>th</sup> December 2020 by IIIT, Vadodara
- Attended ATAL FDP on Augmented Reality(AR)/ Virtual Reality(VR) from 23<sup>rd</sup> November 2020 to 27<sup>th</sup> November 2020 by Gurunanak Dev Engineering College, Ludiana

- Attended one week STTP on Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python from 16<sup>th</sup> November 2020 to 21<sup>st</sup> November 2020 by IT Dept, VNRVJIET
- Attended six days STTP on Internet of Things, Big Data Cloud- IBDC-2020 from 21<sup>st</sup> September 2020 to 26<sup>th</sup> September 2020 by CMRIT, Bangalore
- Attended 15 days FDP on Data Science and its Applications in STEM from 7<sup>th</sup> September 2020 to 21<sup>st</sup> September 2020 by Andhra University College of Engineering, Vijaya nagaram and JNTUK
- Attended one week STTP on Internet of things based Green Energy Systems from 14<sup>th</sup> September 2020 to 19<sup>th</sup> September 2020 by BVRIT
- Attended six days STTP on Cyber Security, Cyber Forensics and Cyber Laws from 1<sup>st</sup> August 2020 to 5<sup>th</sup> September 2020 by VNRVJIET
- Attended one week FDP on Computer Networks Simulation using NS2 from 10<sup>th</sup> August 2020 to 14<sup>th</sup> August 2020 by MGIT in association with TASK
- Attended one week STTP on Big Data Analytics from 3<sup>rd</sup> August 2020 to 8<sup>th</sup> August 2020 by Saranarhan Engineering College, Tamilnadu
- Attended 3 Day workshop on Essentials of Python Programming from 23<sup>rd</sup> July 2020 to 25<sup>th</sup> July 2020 by IT Dept, VNRVJIET
- Attended 5 Day workshop on Machine Learning with Web Development from 6<sup>th</sup> July 2020 to 10<sup>th</sup> July 2020 by Codegnan IT Solutions Pvt. Ltd
- Attended 5 Day FDP on Cyber Security from 22<sup>nd</sup> July 2020 to 26<sup>th</sup> July 2020 by Gudlavalleru Engineering college
- Attended 5 Day FDP on VMware vSphere from 22<sup>nd</sup> June 2020 to 26<sup>th</sup> June 2020 by VMware IT Academy
- Attended 5 Day FDP on AI & ML for Engineering Applications from 8<sup>th</sup> June 2020 to 12<sup>th</sup> June 2020 by VNRVJIET
- Attended 5 Day FDP on AI & ML for Engineering Applications from 8<sup>th</sup> June 2020 to 12<sup>th</sup> June 2020 by VNRVJIET
- Attended 2 Day FDP on Effective Technical Report Writing using LaTeX from 12<sup>th</sup> June 2020 to 13<sup>th</sup> June 2020 by MGIT
- Attended 5 Day FDP on Disruptive Technologies from 26<sup>th</sup> May 2020 to 30<sup>th</sup> May 2020 by St.Peters Engineering College
- Attended 1 Week FDP on LaTeX R Programming and Python from 25<sup>th</sup> May 2020 to 30<sup>th</sup> May 2020 by Guru Nanak University in association with IIT Bombay
- Attended 1 Week FDP on R Programming from 22<sup>th</sup> May 2020 to 27<sup>th</sup> May 2020 by Prakasam Engineering College in association with IIT Bombay
- Attended 3 Day Hands on workshop on Effective utilization of Digital platforms for Teaching and learning Process from 1<sup>st</sup> May 2020 to 3<sup>rd</sup> May 2020 at VNRVJIET
- Attended 5 Day FDP on Deep Learning and Applications from 9<sup>th</sup> December 2019 to 13<sup>th</sup> December 2019 conducted by ECE & EIE, VNR VJIET and NIT Patna.
- Attended 5 Day Workshop on Real time applications on IoT from 3<sup>rd</sup> September 2019 to 7<sup>th</sup> September 2019 at VNRVJIET
- Attended FDP on Introduction to Programming- A Pedagogical Approach from 17<sup>th</sup> June 2019 to 21<sup>st</sup> June 2019 by E&ICT Academy IIT Kanpur at VNRVJIET

- Attended A training program on Spoken Tutorials on 23<sup>rd</sup> February 2019 at CMR Technical Campus, Hyderabad
- Attended Virtual labs workshop on 11<sup>th</sup> February 2019 at VNRVJIET
- Attended FDP on Machine Learning using Python during 29<sup>th</sup> November 2018 to 5<sup>th</sup> December 2018 at Vasavi College of Engineering, Hyderabad
- Attended FDP on Block chain Technology and its Applications during 17<sup>th</sup> December 2018 to 21<sup>st</sup> December 2018 at VNRVJIET
- Attended a three day workshop on Linux Administration, Latex Tutorial for writing research oriented documents and Matlab programming during 28<sup>th</sup> -30<sup>th</sup> June 2018 at VNRVJIET
- Attended a conference IEEE ICCIC-2017 at Coimbatore during 14<sup>th</sup>– 16<sup>th</sup> December 2017
- Attended FDP on Data Analytics with R at VNRVJIET from 15<sup>th</sup> May to 20<sup>th</sup> May 2017
- Attended FDP on Sensor Networks and Internet of Things at VNRVJIET from 27<sup>th</sup> November to 2<sup>nd</sup> December 2016
- Attended 1 day event on “Oracle Open Day” at St. Martin’s Engineering College on 19<sup>th</sup> August 2016
- Attended a 3 day national workshop on Recent Trends in Mobile Computing and Cloud Security at VNRVJIET during 4<sup>th</sup> – 6<sup>th</sup> May 2016
- Attended a 2 day workshop on Applications of Computer Networks & Security at VNRVJIET on 9<sup>th</sup>& 10<sup>th</sup> November 2015
- Attended 1 day workshop on HPC Code Modernization(Parallelization) at VNRVJIET on 10<sup>th</sup> July 2015
- Attended 3 day workshop on Design of POGIL activities for Outcome based education at VNRVJIET during 18<sup>th</sup> -20<sup>th</sup> December 2014
- Attended 3 day workshop on Big Data Analytics and Cloud Computing at VNRVJIET during 4<sup>th</sup> – 6<sup>th</sup> September 2014
- Attended 2 day workshop on Mentoring Skills & Thinking Skills for Engineering Faculty at JNTU, Hyderabad during 18<sup>th</sup> – 19<sup>th</sup> July 2014
- Attended 3 day international conference on Data Sciences INDaS at VNRVJIET during February 26<sup>th</sup> -28<sup>th</sup> 2014
- Attended 3 day workshop on program design with mapcode organized by dept of IT, VNRVJIET during 27<sup>th</sup> -29<sup>th</sup> May 2013.
- Attended FDP on Digital Forensics & Information Security at VNRVJIET organized by TCS on 15<sup>th</sup> November 2013
- Attended a 3 day workshop on Advanced topics in text & web mining during 24<sup>th</sup> – 26<sup>th</sup> April 2013 at IIIT, Hyderabad
- Attended a 2 day workshop on Data Mining & its applications during 27<sup>th</sup>& 28<sup>th</sup> February 2013 at VNRVJIET
- Attended a 2 day workshop on Recent Opportunities in Computer Science & Information Technology-2013 during 6<sup>th</sup> & 7<sup>th</sup> February 2013 at CBIT, Hyderabad
- Attended a one day seminar on Advances in Soft Computing on 14<sup>th</sup> December 2012 at VNRVJIET
- Attended a 3 day workshop on Art of Teaching during 6<sup>th</sup> – 8<sup>th</sup> May 2012 at VNRVJIET
- Attended 15 days Staff Development Program on “Recent Trends in Data Mining” at VNRVJIET.

- Attended 5 days refreshment course on C at VNRVJIET

## 5. Academic Contribution and Research & Consultancy:

### 5.1. Invited Lectures: NA

### 5.2. Articles/Chapters published in Books:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Automatic Screening of COVID-19 Based on CT Scan Images Through Extreme Gradient Boosting	Artificial Intelligence Applications for Health Care Pp: 139-161	2075-4426	0.241 Scopus	International

### 5.3. Books published as single author or as editor: NA

### 5.4. Projects Guided:

#### a) UG:

- Dynamic Convolutional Neural Networks for Detecting Lung Cancer from CT Scan Images
- Link based Classification using Random Forest algorithm
- VIRTUAL CLASS
- Emotion Based Music Recommendation System
- An Effective Approach for Clustering and Classification of Medical Dataset
- Effective Sentiment Analysis on Twitter Data using APACHE FLUME and HIVE
- Character Recognition using Kohonen Networks
- Multi-level Employee Voucher verification & Approval Administrative System
- Online Library Management System
- Chemistry Module for School Operating System

#### b) PG:

- Local Binary Patterns Technique for Soil Text Classification
- Secured Authentication by Captcha

### 5.5. Research Interests: Data Mining, Machine Learning, Social Networks

### 5.6. Ph.D students: NA

- a) Enrolled:
- b) Submitted:
- c) Awarded:

### 5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
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1	Graph Transformer for Communities Detection in Social Networks	Computers, Materials & Continua Vol.70, no.3	1546-2218	3.722 SCI	International
2	Predicting vasovagal Syncope for Paraplegia Patients Using Average Weighted Ensemble Technique	Journal of Mobile Multimedia pages 135-162	1550-4654	1.11 Scopus	International
3	Graph classification system using normalised graph convolutional networks	International Journal of System of Systems Engineering (IJSSE), Vol. 11, No. 3/4, pp.320 - 335	1748-0671	0.57 Scopus	International
4	A Novel Similarity Measure for Missing Link Prediction in Social Networks	IJEECS Vol 19, No 2	2502-4760	Scopus	International
5	A Novel Framework for Networks of Linked Data Clustering based on Centroids and Neighbors	IJAER, volume 11 no. 3 pp 1927-1933	ISSN 0973-4562	Scopus	International
6	A New Paradigm for Development of Data Imputation Approach for Missing Value Estimation	IJECE Vol.6, Issue.6, Dec 2016	ISSN: 2088-8708	1.05 Scopus	International
7	Latent Semantic Analysis and Nearest Neighbor Classification Algorithm for Linked Web Pages	IJCSIS Volume 15 No.6 PP.304 - 308 June 2017	ISSN 1947-5500	Scopus	International
8	Local Binary Pattern (LBP) Technique for Soil Texture Classification and Analysis	IJSR Volume 6 Issue 10, October 2017	ISSN (Online): 2319-7064		International

9	Thyroid Disease Prediction Using XGBoost Algorithm	Journal of Mobile Multimedia PP: 917–934	1550-4646	1.11 Scopus	International
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#### 5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Maximize Power Generated Using Solar Tracking Mechanism	International Conference on Information System Design and Intelligent Applications	International	1 to 2 November 2019.
2	A Novel Algorithm for Missing Data Imputation on Machine Learning	ICSSIT	International	27 <sup>th</sup> -29 <sup>th</sup> November 2019
3	A Normalized Mean Algorithm for Imputation of Missing Data Values in Medical Databases	ICIECE-2019	International	2 <sup>th</sup> – 3 <sup>th</sup> August 2019
4	Web Scraping for Unstructured Data over Web	ESAI-2019	International	2 <sup>nd</sup> -3 <sup>rd</sup> May 2019
5	An Efficient Filtered Classifier for Classification of Unseen Test Data in Text Documents	IEEE ICCIC-2017	International	14 <sup>th</sup> – 16 <sup>th</sup> December 2017

#### 5.9. Sponsored research Projects: NA

Title	Agency	Period	Grant amount	Ongoing / Completed

#### 5.10 Consultancy Projects: NA

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

#### 6. Awards / Honors received:



- NPTEL Top 5% Performer in Problem Solving Through Programming in C conducted by IIIT Kharagpur held in 2018

**7. Motto:** Committed to lifelong learning in a caring environment